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CPY - IGAK-N

DC - B04 D16 S03

FS - CPI;EPI

IC - G01N33/53

MC - B04-B02C4 B04-B04A B06-A03 B11-C07A5 B12-K04A1 D05-H09
- S03-E14H4

M1 - [01] C108 D011 D022 D029 D210 G015 G100 H103 H142 H402 H442 J0 J011 J1
J131 K0 L2 L220 L7 L730 M1 M113 M210 M211 M273 M280 M283 M320 M423
M511 M520 M531 M540 M781 M903 N102 P831 Q233 Q613 V600 V611

- [02] M423 M760 M903 N102 Q233 V754

- [04] M423 M750 M903 N102 Q233 V791 V802 V818

M6 - [03] M903 P632 P633 P831 Q233 Q613 R515 R520 R521 R533 R613 R621 R625
R631 R632

PA - (IGAK-N) IGAKU SEIBUTSUGAKU

PN - JP4012273 A 19920116 DW199209 000pp

PR - JP19900115644 19900501

XA - C1992-031390

XIC - G01N-033/53

XP - N1992-051557

AB - J04012273 Method comprises subjecting DNA polymerase alpha monoclonal antibody labelled with fluorescent dye and cell to antigen-antibody reaction, and detecting DNA polymerase alpha-positive cell from fluorescence.

- USE/ADVANTAGE - Form determining the proliferating activity of cell, useful for e.g. the diagnosis of leukemia, tumours, malignant tumours, etc. The proliferating activity of fresh cells and non fresh cells can be easily determined without introducing cpd. such as thymidine or without requiring skilful technique and radioisotope facilities. The method has high determination sensitivity and is applicable to identification of proliferating cell in a sample of low content of DNA polymerase alpha-positive cell. Cells at S stage and cells at other than GO stage can be detected. The content of proliferating cell in a sample and relative and qualitative amt. of DNA polymerase alpha in a sample can be obtained. DNA polymerase and other cell antigens can be simultaneously and simply detected.

IW - DETERMINE PROLIFERATION ACTIVE CELL SUBJECT DNA POLYMERASE ALPHA MONOCLONAL ANTIBODY ANTIGEN ANTIBODY REACT DETECT FLUORESCENT

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NC - 001

OPD - 1990-05-01

ORD - 1992-01-16

PAW - (IGAK-N) IGAKU SEIBUTSUGAKU

TI - Determining proliferating activity of cell - by subjecting DNA polymerase alpha monoclonal antibody to antigen-antibody reacting and detecting fluorescence